



Dr. Manzoor Shah is a founding member of the Board of Directors at Aivlys Solutions, Inc., where he was instrumental in developing the company's business model and operational strategies. He is dedicated to advancing economic development throughout Africa and Asia.

One of Dr. Shah's most significant achievements is leading the feasibility study and planning of Aivlys's flagship \$200 million project—the Southern African Transportation Corporation (SATCO). SATCO is set to become Southern Africa's largest trucking company, specializing in hauling metals and ores from inland countries such as Zambia and the DRC to key port cities including Dar es Salaam, Johannesburg, and Durban. The project stands out as a highly attractive, long-term investment opportunity, offering safe and competitive transportation services. Additionally, Dr. Shah collaborated on the design and improvement of portable, cost-effective, and user-friendly rigs for drinking water and irrigation wells, as well as for geothermal drilling exploration. He also created Aivlys's solar technology solution model and remains at the forefront of emerging solar, wind, nuclear, and ocean technologies, from micro-home setups to large-scale grid systems.

After earning his Ph.D. in Medical Biochemistry in 1988, Dr. Shah completed his postdoctoral research at Boston University Medical Center in 1993. He is a broadly trained biotechnologist, entrepreneur, and inventor with 37 years of hands-on experience in enzyme reaction mechanisms, rational drug design, and bio-instrumentation. He has published his research in leading peer-reviewed journals in the United States and Europe. His seminal contributions to enzyme reaction mechanisms are regarded as foundational, particularly in non-competitive enzyme inhibition (rational drug design). His postdoctoral research provided the foundation for the launch of Fibromed Inc., a Boston-based biotech company. As a senior scientist at Geo-Centers, Inc., Dr. Shah played a leading role in developing a state-of-the-art research facility for a U.S. federal laboratory.

In 1999 (-2004), his start-up company, Cmart Devices Corporation, formed a joint venture with the Massachusetts Institute of Technology to develop a functional prototype of ARPS – an electrophoresis robot for the pharmaceutical and biotech industries. Cmart Devices is the world's premier concept designer of contemporary and futuristic robotic and artificial-intelligence-driven healthcare appliances, medical devices, and bio-instruments. Dr. Shah holds various US patents (both granted and provisional).

In recognition of his scientific contribution, Dr. Shah has been cited in Who's Who in America: Science & Engineering and Who's Who in the East. Previously, Dr. Shah has served on the Board of Directors of US Telecom, Teaneck, New Jersey (1994-1996).